



PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due
PO039877	ACI001-VC	10	1	Net 30	M303B1.000X1.000	M303B1.000 X 1.000 : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft				24	6/1/2018	24	S075054	Stock	5/28/2018	\$ 24.51 / ft	0		
					MT-4140-S-1.250X2.000	AISI 4140 Steel Bar : MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395													
										Total:	30	30							\$

Plex 5/28/2018 1:21 PM Dart.Dubois.Pascal

DELIVERY - CLIENT

Copy C000089113

THE JOURNAL OF
PHYSICAL CHEMISTRY

935, Boul. du Havre

Salaberry de Valleyfield (Québec) J6S 5L1
Tél: 450-377-4248 **Mtl:** 514-336-4248 **Ext.:** 800-667-4248

Customer No. CL10001056 Date 2018/05/11

2010/05/26

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Instruction F-M

Conditions:

All sold and delivered materials remain the property of "Acer Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acer Ouellette Inc." is the same as offered and honored by the manufacturer and their warranty is transferred by "Acer Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the month balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By : Verified By :

Prepared By :	Verified By :									
										
Delivered By :	Time									
	11:00 AM									
<table border="1"> <tr> <td>Y</td> <td>M</td> <td>D</td> </tr> <tr> <td>1</td> <td>4</td> <td>5</td> </tr> <tr> <td>2</td> <td>0</td> <td>8</td> </tr> </table>		Y	M	D	1	4	5	2	0	8
Y	M	D								
1	4	5								
2	0	8								

Total (\$CAD)



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO039877

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO039877

5/11/18

Due Date: 5/18/18

E-MAILED
MAY 11 2018

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
Phone: clavoie@dartaero.com

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments: quotation sou0105054

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M4140H-R2.750		4140 Round Bar 2.750 : AISI 4140H ROUND BAR PER AISI4140OR ASTM A304-02/A-434- BC-A193-03-GRADE B7/ A29-03/A322-91 OR UNS#-G41400 MINIMUM ULTIMATE TENSILE STRENGTH=100 KSI MINIMUM YIELD TENSILE STRENGTH=66KSI receive ft	Firmed	5/18/18	12 ft	0 ft	12 ft	\$36.744166/ft	\$440.93
2	M6061T6B0.750X05.000		6061T6 Bar 0.750 X 5.000 Firmed 5/18/18 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft			12 ft	0 ft	12 ft	\$15.41/ft	\$184.92
3	M6061T6B0.500X04.500		6061T6 Bar 0.500 X 4.500 Firmed 5/18/18 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft			12 ft	0 ft	12 ft	\$12.15666/ft	\$145.88

PURCHASE ORDER

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	M6061T6B0.750X01.500	6061-T6 Bar .750 X 1.50	: MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	5/18/18	40 ft	0 ft	40 ft	\$4.738/ft	\$189.52
5	M6061T6B1.500X02.500	6061-T6 Bar 1.50 X 2.50	: MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	5/18/18	24 ft	0 ft	24 ft	\$15.462916/ft	\$371.11
6	M6061T6B2.250X2.250	6061-T6 Bar 2.250 X 2.250	: MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	5/18/18	12 ft	0 ft	12 ft	\$45.91666/ft	\$551.00
7	M6061T6S.188	6061-T6 .188 Sheet	: MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	5/18/18	32 sf	0 sf	32 sf	\$12.108125/sf	\$387.46
8	M6061T6S.080	6061-T6 .080 Sheet	: MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	5/18/18	192 sf	0 sf	192 sf	\$5.658802/sf	\$1,086.49
9	M17-4-R0.750	17-4 Round Bar .750	: 17-4 PH / S17400 / TYPE 630 SS ROUND BAR PER AMS 5643/ ASTM A564 GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD TENSILE STRENGTH = 100 KSI MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI receive ft	Firmed	5/18/18	24 ft	0 ft	24 ft	\$8.6508333/ft	\$207.62

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
10	M303B1.000X1.000		M303B1.000 X 1.000 : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft	Firmed	5/23/18	24 ft	0 ft	24 ft	\$24.5125/ft	\$588.30
11	M303R1.000		303 Round Bar 1.00 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft	Firmed	5/18/18	12 ft	0 ft	12 ft	\$8.4358333/ft	\$101.23
12	MT-4140-S-1.250X2.000		AISI 4140 Steel Bar : MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395	Firmed	5/18/18	6 ft	0 ft	6 ft	\$36.16/ft	\$216.96

Grand Total: \$4,471.42

Order Notes
<p>Procurement Quality Clauses</p> <p>A005 right of entry</p> <p>A012 chemical and physical test report</p> <p>A016 personnel qualification</p> <p>A017 raw material identification (as applicable)</p> <p>A026 certification of material conformance</p> <p>A041 quality management system</p> <p>A042 dart notification by supplier</p> <p>A043 retention of quality documents</p> <p>A048 counterfeit parts avoidance, detection, mitigation and disposition program</p> <p>A049 supplier awareness</p> <p>Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dart aerospace.com for further explanation.</p>

Plex 5/11/18 11:39 AM dart.lavoie.chantal

89113

16273 N



VALBRUNA

SLATER STAINLESS, INC.

2400 TAYLOR STREET WEST - PO BOX 630
PORT WAYNE IN 46102 USA
PHONE 260.434.2800 - FAX 260.434.2801

Product Certification Report

Report Number: 5413560

Certified on Dec 06, 2017 Page 1 of 1

Order I.D.	Order Date	Commodity Code				
Dim 1	Dim 2	Dim 3	Heat I.D.	Customer I.D.	Customer Purchase Order	
1701385_003	6/20/17	303SQ1.0	al	270985	002475	54812
<u>Product Shape</u>				<u>Product Surface</u>		
Cold Drawn Squares				Cold Drawn Finish		
Length (Inches)				Bill of Lading #	Weight	
132.000 Min.				431275	303	

Ship To VALBRUNA STAINLESS, INC.
1000 CANNONBALL ROAD
POMPTON LAKES, NJ 07442

Sold To VALBRUNA STAINLESS, INC.
1000 CANNONBALL RUN
POMPTON, NJ 07442

Lifts: 0057

AISI 303

UNS S30300

AMS 5640V TYPE 1

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.048	1.68	.033	.29	.66	17.60	8.12	.34	.52	.14	.02

BRINELL Type A device E10-15a

HBW

223

ROOM TEMP TENSILE ASTM E8-16a

TS (PSI)	.2%YS (PSI)	%EL (4d)	%RA
100600	63600	40.7	55.7

MACRO ASTM E340-15/E381-01(12)

MACRO

OK

No welding or weld repair done.

Material when shipped is free from contamination by mercury, radium, alpha source, and low melting elements.
Reduction Ratio Exceeds 4:1

Electric Furnace melted; AOD refined.

Material is RoHS compliant.

Chemical testing to one or more of the listed ASTM methods:

E1019-11, E1086-14.

Location of tensile fracture: inside middle of gage length. %elong after fracture.

Chemical Analysis performed at Acciaierie Valbruna, Italy.

No mercury or low melting alloy contamination. No weld repair.

Melted and manufactured in Italy.

Material conforms to listed specifications. DFARS compliant. Our heat treat furnaces use air atmosphere.

Quality system is compliant with ISO 9001:2015. Produced in accordance with EN 10204 3.1.

Results relate only to the items tested. Certification shall not be reproduced except in full, without written approval of Valbruna Stainless Inc. The recording of false, fictitious, or fraudulent statements on this document may be punished as a felony under federal statutes. Including Federal law Title 18, Chapter 47. Consult material safety data sheet (MSDS) for hazard info.
I hereby certify that the reported figures are correct as contained in the records of the corporation.

Manager Laboratory Services

email: TLandwehr@valbruna.us

Tad Landwehr

16274 N

Chemical certification
Certification chimique

Dart

Order Num / No. Commande AC-16274	Vendor / Fournisseur 46	Country of origin / Pay d'origine SLOVENIA	Date 04/28/17	Heat / coulée 300188	Material ID # / No. matériel
Grade / Nuance 4140 PLT	Conditions HEAT TREATED; Q&T E+VD				
Shape / Forme PLT	Size / Dimension 1.300	Specifications ASTM A829/A829M			

Chemical composition / Analyse chimique

	Carbon (C)	Silicon (Si)	Manganese (Mn)	Phosphorus (P)
Mini / maxi	0.3700 / 0.4400	0.1500 / 0.3500	0.6500 / 1.1000	0.0100 / 0.0190
Actuel %	0.400	0.227	0.814	0.008
	Sulphur (S)	Chromium (Cr)	Nickel (Ni)	Molybdenum (Mo)
Mini / maxi	0.0200 / 0.0400	0.7500 / 1.2000	0.1000 / 0.2000	0.1500 / 0.2500
Actuel %	0.001	0.970	0.240	0.170
	Cooper (Cu)	Vanadium (V)	Aluminum (Al)	Tungsten (W)
Mini / maxi	0.1900 / 0.2900	0.0400 / 0.0500	0.0000 / 0.0000	0.0000 / 0.0000
Actuel %	0.178	0.035	0.025	0.000
	Cobalt (Co)	Titanium (Ti)		
Mini / maxi	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000
Actuel %	0.000	0.000	0.000	0.000

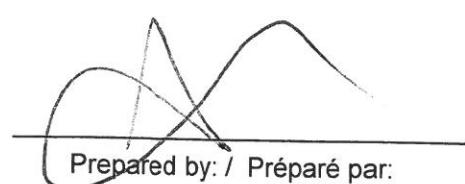
Mechanical properties / Propriétés Mécaniques

Yield strenght / Élasticité	Tensile / Rés. à la traction	Elongation / Allon. (%)	Red. of area / Surface (%)	RC	Surface Hd / Dureté
0.000	PSI	0.000	PSI	0.00	286

Note:

We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material

Nous certifions que les données ci haut ont été vérifier et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur.



MATERIAL RECEIPT INSPECTION FORM

MATERIAL: Mt-4140-S-1.250X2.000 PO / BATCH NO.: 039877/5075035
 DATE: MAY 28 2018

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 6
 QUANTITY INSPECTED: 6
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.250
 THICKNESS RECEIVED: 1.250
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Astm A829
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Hant#300188
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY:	<u>DAS</u> <u>11</u>	SIGNED OFF BY:	
DATE:	<u>9-89</u> <u>MAY 28 2018</u>	DATE:	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE
 MINIMUM ROCKWELL C = 28 Rc
 MAXIMUM ROCKWELL C = 32 Rc

SPECIFICATION:

ASTM A829, AMS 6395

PART NUMBER:

MT-4140-S-[T,TTT] x [W,WWW]
 WHERE "T,TTT" = THICKNESS IN INCHES
 WHERE "W,WWW" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE)

EX. 0.063" THICK SHEET = MT-4140-S-0.063
 EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500

REV	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	NEW ISSUE	18-544	18-2-13	VM	ML

DART		AeroSpace
Waterloo, Ontario, Canada		
TITLE		
AISI 4140 / 4142 STEEL SHEET OR PLATE		
PART NO.		REV
MT-4140-S		A
TOOL NO.		
UNLESS OTHERWISE SPECIFIED		
DIMENSIONS ARE IN INCHES		
DIMENSIONS ARE IN INCHES AND 2008		
DIMENSIONS APPLY AFTER FINISHING		
INITIALS AND DATE		
DESIGNED BY: VM 2/13/2013		
DRAWN BY: VM 02/13/2013		
CHECKED BY: XX ± .05		
MFG REVIEW BY: XX ± .01		
APPROVED BY: DD 02/13/2013		
X ± .1		
FRACTIONS: X 1/8		
ANGLES: X ± .5°		
ROUGHNESS: X		
SCALE: 1/4		
SHEET 1 OF 1		
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303 B1.000X1.000
 DATE: MAY 28 2018

PO / BATCH NO.: 039877/5075054

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 24
 QUANTITY INSPECTED: 24
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000
 THICKNESS RECEIVED: 1.000
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	<i>Astm A582</i>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	<i>Heat # 270985</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y <input type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AS</u> <u>1</u>	SIGNED OFF BY: _____
DATE: <u>9-19 MAY 28 2018</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

